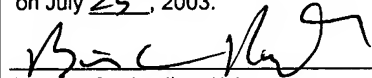


CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 25, 2003.

  
Attorney for Applicant(s)

PATENT APPLICATION

Docket No.: TUC920020127US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James H. Eaton )  
)  
Serial No.: Not yet assigned )  
) Group Art  
Filing Date: July 25, 2003 ) Unit:  
)  
For: RECORDING HEAD COMPENSATION FOR TAPE )  
SHRINKAGE AND EXPANSION )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement discloses information which has come to the attention of applicant and his attorneys and is being submitted so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), this Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Action on the merits.

Neither applicant nor his attorneys make any representation that any information disclosed herein may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103. Moreover,

pursuant to 37 C.F.R. § 1.97, the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or as an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.98, this Information Disclosure Statement includes and is accompanied by:

1. A completed copy of Form PTO-1449 listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each patent, publication and other item of information in written form listed on the enclosed Form PTO-1449.

#### NON-ENGLISH INFORMATION

Pursuant to 37 C.F.R. § 1.98, following is a concise explanation of the relevance (as it is presently understood by the individual designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content of the information), of each listed patent, publication or other information that is not in the English language.

**JP08216440**

**PROBLEM TO BE SOLVED:** To provide a head unit and a magnetic recording/reproducing device capable of recording or reproducing information without causing any out-of-track even when a track pitch is narrow and a medium is high density.

**SOLUTION:** Five head units 10 are arranged on a base 3 of a coarse motion slider 2 in line in the width direction of a magnetic tape in a multi-track head 1. Each head unit 10 consists of a pair of fine motion slider 13 erected on the base 3, a pedestal 15 stuck onto the fine motion slider 13 and a head 18 placed on the pedestal 15. By applying a prescribed voltage between electrodes formed on both surfaces of the piezo-electric element of the fine motion slider 13, the fine motion slider 13 is bent, and the head 18 is finely moved in the width direction of the magnetic tape. Thus, even when the width of

the magnetic tape is expanded/contracted due to a temp. change and the secular change, respective head singles 10 can record/reproduce without causing any out-of-track.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Brian C. Kunzler', written over a horizontal line.

Brian C. Kunzler

Reg. No. 38,527

Attorney for Applicant

Date: July 25, 2003

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FORM PTO-1449  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (use several sheets if necessary)	SERIAL NO. Not yet assigned	ATTORNEY DOCKET NO. TUC920020127US1
	FILING DATE July 25, 2003	GROUP ART UNIT
	APPLICANT(S): James H. Eaton	

**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,903,150	02/20/1990	Juso et al.	360/77.12	12/21/1987
	A2	5,982,711	11/09/1999	Knowles et al.	368/77.12	06/05/1997

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
						YES	NO
	A3	JP08216440	03/06/1998	Japan	G11B 5/584		

**NON-PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).